App No.: Not yet assigned

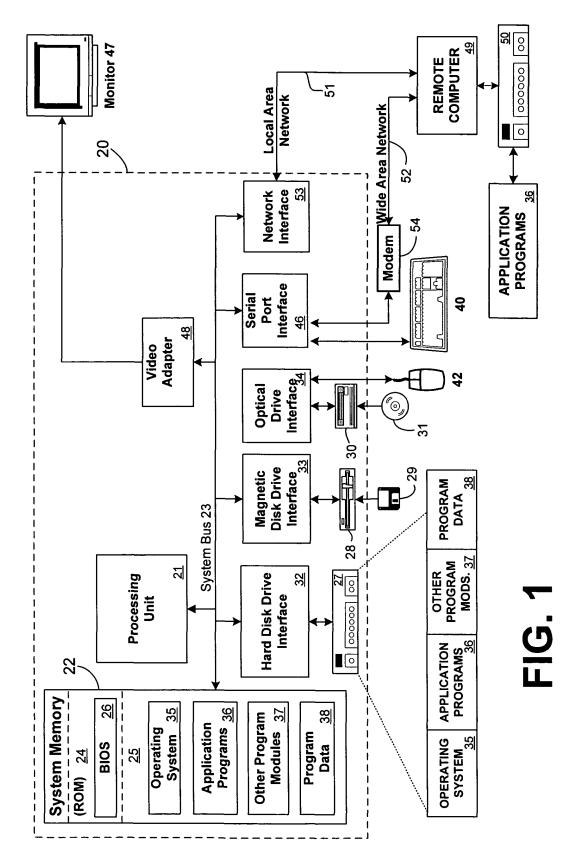
Filed: Herewith Title: Systems and Methods for Transforming Query Results into Hierarchical

Information

Inventors: Michael Rys et al. Attorney: Thomas E. Watson

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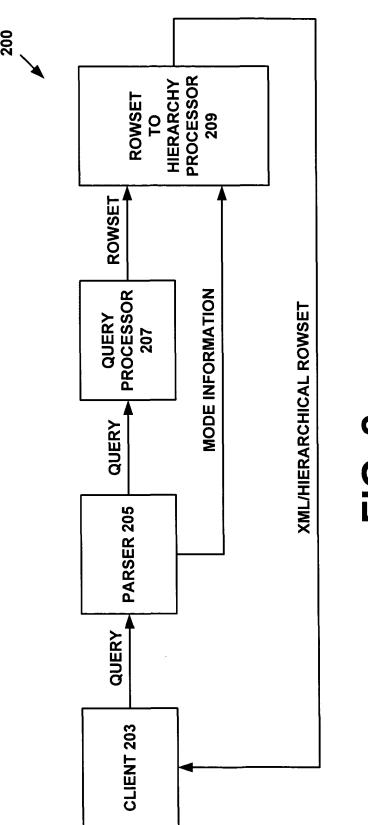


FIG. 2

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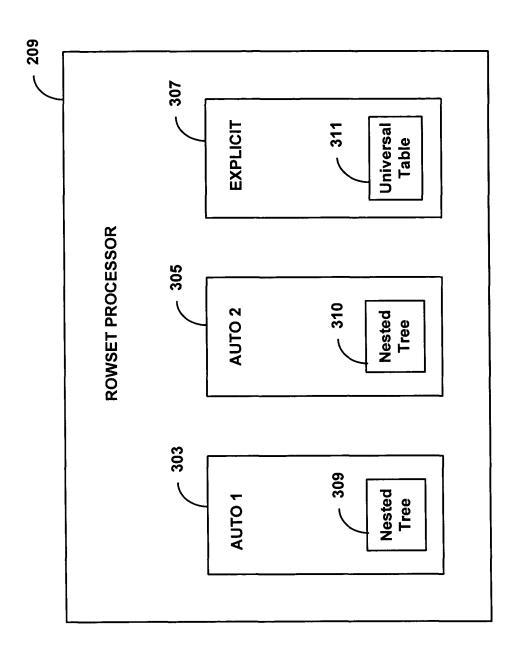


FIG. 3

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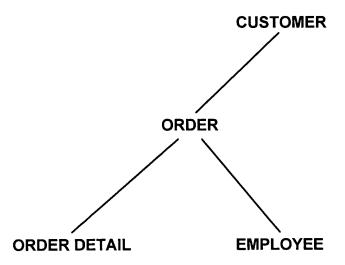


FIG. 4A

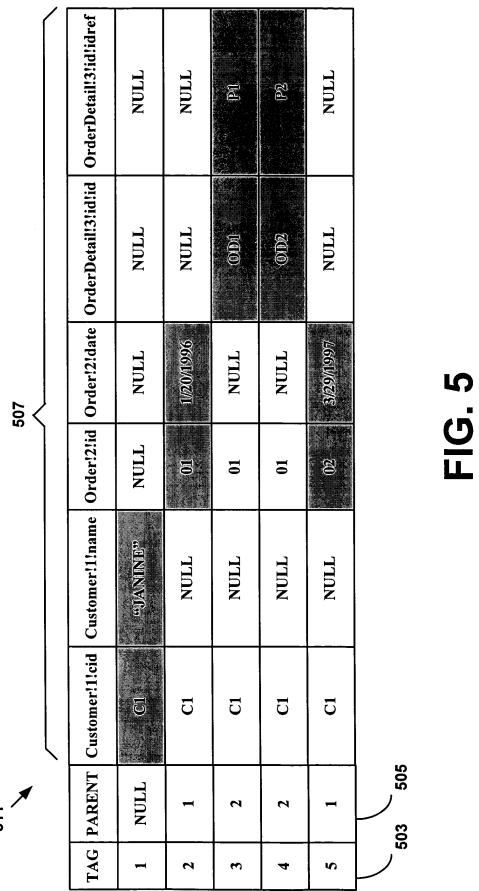
FIG. 4B

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Docket No.: 141529.02/MSFT-2743 App No.: Not yet assigned Filed: Herewith Title: Systems and Methods for Transforming Query Results into Hierarchical Information Inventors: Michael Rys et al. Phone: (215) 568-3100 Attorney: Thomas E. Watson Sheet 6 of 10 600a XML(SELECT A.*, XML(SELECT B.* FROM B WHERE B.a=A.id, name="B"), FROM A, name="A") Results In 610a <A> <id>2</id> <id>1</id> <x>1</x> <a>2 <y>1</y> <a>1 <y>2</y> <a>1 <A> <id>3</id> <x>2</x>

<A>

Continued

FIG. 6A

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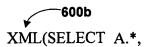
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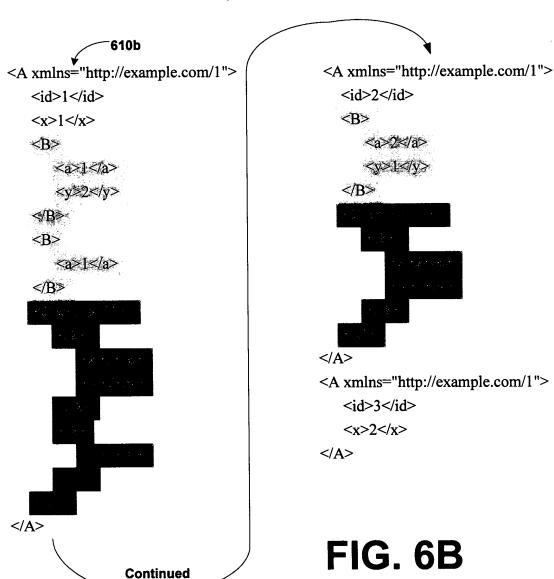


XML(SELECT B.* FROM B WHERE B.a=A.id, name="B"),



name="A", default namespace ="http://example.com/1")





App No.: Not yet assigned

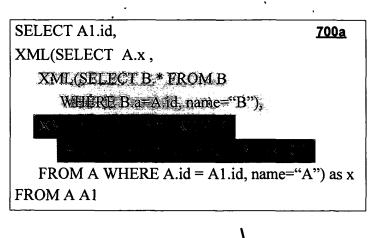
Filed: Herewith Title: Systems and Methods for Transforming Query Results into Hierarchical

Information

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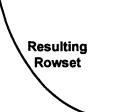
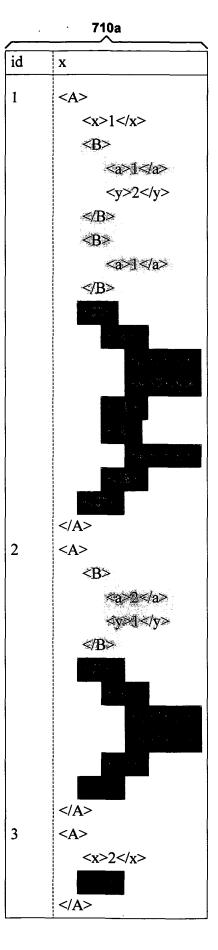


FIG. 7A



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A	720a
id	x
1	1
2	NULL
3	2

В	720b
a	у
1	2
1	5
1	1
2	1

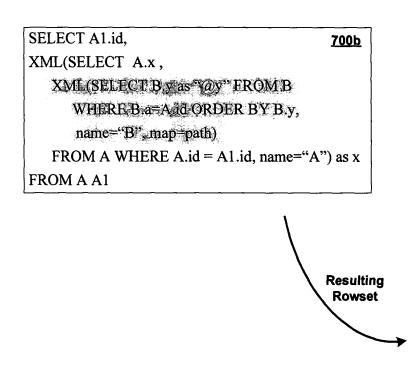
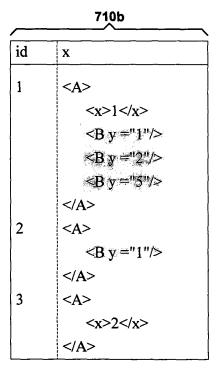


FIG. 7B



Information

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A	730a
id	x
1	1
2	NULL
3	2

В	<u>730c</u>
a	у
1	ʻa'
1	ʻb'
1	'c'
2	'd'

SELECT A1.id, 700c XML(SELECT CAST(XML(SELECT By ! 1" "EROM B WHERE Ba=A.id ORDER BY By, name=""") AS nvarchar(4000)) as "@by", A.xFROM A WHERE A.id = A1.id, map=path, name="A") as x FROM A A1

